UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/731,503	12/06/2000	Edward Neil Chapman	H10019/JDP	1242

1333 7590 04/05/2007 PATENT LEGAL STAFF EASTMAN KODAK COMPANY 343 STATE STREET ROCHESTER, NY 14650-2201	**EXAMINER** BURLESON, MICHAEL L

ART UNIT	PAPER NUMBER
2625	

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	04/05/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

PTOL-90A (Rev. 10/06)

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>10 January 2007</u>.

2a)☒ This action is **FINAL**.   2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-28</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-28</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.

5) ☐ Notice of Informal Patent Application

6) ☐ Other: _____.

DETAILED ACTION

Response to Arguments

1.   Applicant's arguments filed 01/10/2007 have been fully considered but they are not persuasive. Applicant has amended the independent claims "wherein the preferential document-processing feature is configured to control (a) how at least two pages of the print job are printed, (b) a visual appearance of at least two pages of the print job or (c) physical characteristics of at least two pages of the print job" (see first page of Applicant's remarks paragraphs 1-3). Applicant feels that these claims as amended read over prior art Parker et al. US 6441919. Examiner disagrees with Applicant. Parker et al. teaches that pages can be rendered independently of each other or in parallel (column 5,lines 57-60 and column 7,lines 3-9). This means that more than one or at least two pages can be processed. Applicant states that the rasterizer-compositors 27a-27n do not meet the definition of "preferential document-processing feature" because they only affect only a single page of a print job and each are not features that affect at least two pages of a print job. Examiner disagrees with Applicant. Parker et al. teaches that pages can be processed in parallel for as many pages as the set of rasterizer-compositors 27a-27n can handle in parallel (column 6,lines 65-67 – column 7,lines 1-3). This means that the rasterizer-compositors 27a-27n can handle more than one or at least two pages. The rejection of claims 1-28 is maintained.

Claim Rejections - 35 USC § 112

2.   The following is a quotation of the first paragraph of 35 U.S.C. 112:

> The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

3.   Claims 1,6,9 and 14 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

4.   Regarding claims 1,6,9 and 14, these claims recite the limitation, "wherein the preferential document-processing feature is configured to control (a) how at least two pages of the print job are printed, (b) a visual appearance of at least two pages of the print job or (c) physical characteristics of at least two pages of the print job". There is no written description in the specification, abstract or drawings discussing preferential document-processing feature for at least two pages.

Claim Rejections - 35 USC § 102

1.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the

applicant for patent, except that an international application filed under the treaty defined in section
351(a) shall have the effects for purposes of this subsection of an application filed in the United States
only if the international application designated the United States and was published under Article 21(2)
of such treaty in the English language.

2.   Claims 1-28 are rejected under 35 U.S.C. 102(e) as being anticipated by Parker

et al. US 6441919.

3.   Regarding claim 1, Parker et al. teaches of a method of customizing a print job,

the method comprising the steps of: receiving an input of an application file (column

6,lines 22-25); receiving a selection of a preferential document-processing feature from

a group of document-processing features for a print job (column 6,lines 41-49); applying

a plug-in module, for supporting the preferential document-processing feature, to the

application file (column 5,lines 31-33 and column 6,lines 22-25) and wherein the

preferential document-processing feature is configured to control (a) how at least two

pages of the print job are printed, (b) a visual appearance of at least two pages of the

print job or (c) physical characteristics of at least two pages of the print job (column

5,lines 48-65 and column 6,lines 66-67- column 7,lines 1-9).

4.   Regarding claim 2, Parker et al. teaches of printing at least a portion of the

application file using the plug-in module for the print job (column 5,lines 14-20).

5.   Regarding claim 3, Parker et al. teaches wherein the application file comprises a

page description language file selected from the group consisting of a portable

document format (PDF), printer control language (PCL), and a PostScript file (column

6,lines 22-25).

6.   Regarding claim 4, Parker et al. teaches determining whether or not the

application file represents a page description language file (column 6,lines 41-45);

converting the received application file into a page description language file if the

received application file does not represent a page description file (column 6,lines 45-

50).

7.   Regarding claim 5, Parker et al. teaches accessing a plug-in module database to ·

retrieve the selected plug-in module (column 5,lines 8-13).

8.   Regarding claim 6, Parker et al. teaches of customizing a print job, the method

comprising the steps of: receiving an input of an application file (column 6,lines 22-25);

converting the application file into a page description language file if the application file

is in a format distinct from the page description language (PDL) file format (column

6,lines 45-50 and 53-65); associating a preferential document-processing feature with

the page description language file (column 6,lines 41-49); selecting a plug-in module

associated with the preferential document-processing feature for the print job (column

6,lines 41-49); and printing the page description language file using the selected plug-in

module for a print job (column 5,lines 14-20) and wherein the preferential document-

processing feature is configured to control (a) how at least two pages of the print job are

printed, (b) a visual appearance of at least two pages of the print job or (c) physical

characteristics of at least two pages of the print job (column 5,lines 48-65 and column

6,lines 66-67- column 7,lines 1-9).

9.   Regarding claim 7, Parker et al. teaches the page description language file is in a

form selected from the group consisting of a portable document format (PDF), printer

control language (PCL), and a PostScript file (column 6,lines 22-25).

10.   Regarding claim 8, Parker et al. teaches accessing a plug-in module database to retrieve the selected plug-in module (column 5,lines 8-13 and 41-47).

11.   Regarding claim 9, a detector (rasterizer-compositor (27a)) for receiving an input of an application file and determining whether the application file represents a page description language file (column 6,lines 22-25); a user interface (scheduler (29)) for selecting a preferential document-processing feature from a group of document-processing features; and a printer (print engine (14)) for applying a plug-in module, associated with the preferential document-processing features (column 5,lines 14-20 and 35-37) and wherein the preferential document-processing feature is configured to control (a) how at least two pages of the print job are printed, (b) a visual appearance of at least two pages of the print job or (c) physical characteristics of at least two pages of the print job (column 5,lines 48-65 and column 6,lines 66-67- column 7,lines 1-9).

12.   Regarding claim 10, Parker et al. teaches the printer includes a bitmap printing module for printing the application file (it is known that a bitmap is a raster image, therefore the rasterizer-compositor produces the data, sent to the print engine of the printer, used to print (column 5,lines 14-20 and 35-37).

13.   Regarding claim 11, the steps of the method claim 3 performs all of the structural elements of system claim 11. Thus claim 11 is rejected for the same reasons discussed in the rejection of claim 3.

14.   Regarding claim 12, Parker et al. teaches of a converter for converting the application file into a page description language file if the application file does not represent a page description language file (column 6,lines 45-50 and 53-65).

15.   Regarding claim 13, Parker et al. teaches the printer includes a customization

detector (rasterizer-compositor), a plug-in selector (scheduler (29)) and a plug-in

database (frame buffer); the customization detector configured to detect whether

customization data is associated with the application file, the plug-in selector in

communication with the customization detector and the plug-in database for selecting

an active plug-in module based on the customization data (column 5,lines 13-20).

16.   Regarding claim 14, a detector (rasterizer-compositor (27a)) for receiving an

input of an application file and determining whether the application file represents a

page description language file (column 6,lines 22-25); a data augmenter (scheduler

(29)) for associating a preferential document-processing feature with the application file

(column 6,lines 25-28 and 40-45); and a plug-in selector (scheduler (29)) for selecting a

plug-in module for supporting the document-processing feature (column 5,lines 13-20)

and wherein the preferential document-processing feature is configured to control (a)

how at least two pages of the print job are printed, (b) a visual appearance of at least

two pages of the print job or (c) physical characteristics of at least two pages of the print

job (column 5,lines 48-65 and column 6,lines 66-67- column 7,lines 1-9).

17.   Regarding claim 15, the steps of the method claim 2 performs all of the structural

elements of system claim 15. Thus claim 15 is rejected for the same reasons discussed

in the rejection of claim 2.

18.   Regarding claim 16, the steps of the method claim 3 performs all of the structural

elements of system claim 16. Thus claim 16 is rejected for the same reasons discussed

in the rejection of claim 3.

19.   Regarding claim 17, the steps of the method claim 12 performs all of the
structural elements of system claim 17. Thus claim 17 is rejected for the same reasons
discussed in the rejection of claim 12.

20.   Regarding claim 18, the steps of the method claim 8 performs all of the structural
elements of system claim 18. Thus claim 18 is rejected for the same reasons discussed
in the rejection of claim 8.

21.   Regarding claim 19, Parker et al. teaches the data augmenter (scheduler (29))
cooperates with a downloader to express the preferential document-processing feature
as downloader-embedded customization data in the application file (column 6,lines 25-
28 and 40-45).

22.   Regarding claim 20, Parker et al. teaches the data augmenter cooperates with a
printer driver to express the preferential document-processing feature as printer-driver-
embedded customization data in the application file (column 5,lines 13-20).

23.   Regarding claim 21, Parker et al. teaches wherein the plug-in module supports
only the selected preferential document-processing feature (column 7,lines 1-14).

24.   Regarding claim 22, Parker et al. teaches identifying the plug-in module based at
least upon a PDL comment in the application file (column 5,lines 48-60).

25.   Regarding claim 23, Parker et al. teaches wherein the plug-in module supports
only the preferential document-processing feature (column 7,lines 1-14).

26.   Regarding claim 24, Parker et al. teaches identifying the plug-in module based at
least upon a PDL comment in the application file (column 5,lines 48-60).

27.   Regarding claim 25, Parker et al. teaches wherein the plug-in module supports

only the preferential document-processing feature (column 7,lines 1-14).

28.   Regarding claim 26, Parker et al. teaches identifying the plug-in module based at

least upon a PDL comment in the application file (column 5,lines 48-60).

29.   Regarding claim 27, Parker et al. teaches wherein the plug-in module supports

only the preferential document-processing feature (column 7,lines 1-14).

30.   Regarding claim 28, Parker et al. teaches identifying the plug-in module based at

least upon a PDL comment in the application file (column 5,lines 48-60).

Conclusion

31.   Applicant's amendment necessitated the new ground(s) of rejection presented in

this Office action. Accordingly, **THIS ACTION IS MADE FINAL.** See MPEP

§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37

CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within

TWO MONTHS of the mailing date of this final action and the advisory action is not

mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any

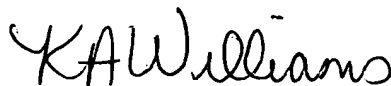extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

1.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Burleson whose telephone number is 571-272-7460. The examiner can normally be reached Monday through Friday from 8:30 A.M. to 5:00 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Twlyer Lamb can be reached on 571-272-7404.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

KIMBERLY WILLIAMS
PRIMARY PATENT EXAMINER

Michael Burleson

Patent Examiner

April 1, 2007